

JUSTIS Phase Four Project Update

July 23, 2004

(The purpose of this document is to collect weekly input for the ITAC)

▪ **Project Name**

JUSTIS Phase Four; System Performance, ODC2 JUSTIS IP Migration, LXML to GJXDM Conversion, Notification System

▪ **Executive Summary**

JUSTIS will use indexing and search technology to provide partial data, free text, and image searches. The technology will allow for a virtual central index, using decentralized indexes under the control of the independent data owner agencies/systems. Data mediation tools such as GJXDM should support search capabilities. This technical foundation for JUSTIS is a highly efficient, extremely fast and scalable suite of data collection, search, real-time filtering and compression services built on a modular technology platform. The search architecture's basic logical components will include: Dispatch node: routes search node query results and compiles search results, Search node: manages index changes and creation, against which search queries are performed; Indexing node: offloads optional data indexing (crawling) and preprocessing from search nodes. The search engine is the FAST Search and Transfer™.

The ODC2 JUSTIS IP Migration will improve the infrastructure, communications between servers, access and ease of operation. To accomplish this, the IP addresses utilized by JUSTIS and the contributing servers must change. While the work involved in the change is not significant, the migration must be carefully orchestrated and performed within tight timelines.

JUSTIS developed using national standards available at the time. One of the advances in criminal justice information was the use of XML. The version immediately available for Phase One was Legal XML 1.1. Since that time a number of parallel XML developments have joined in a Global Justice XML Model (GJXDM) and Global XML Data Dictionary (GJXDD). This GJXDM version 3.0 is universally accepted within criminal justice and is the standard upon which data exchanges within criminal justice will take place. This phase will support the update of LXML 1.1 to GJXDM 3.0.

The ITAC developed an external design for the JUSTIS Notification System. A Notification System would center on the ability of a user or an agency to identify an offender and a subsequent action by that offender, for example, and an arrest. Should that event transpire, the Notification System would send an unsolicited message to the requesting user or agency notifying the requestor that the event had occurred. That design did not assume the application of search and crawler facilities. The design will now utilize, to the extent possible, the prior input / output screen designs, the indexing and search engine capabilities to support notifications and alerts.

▪ **Major Activities Completed This Reporting Period**

1. None; in wait mode.
2. The ITLO has not received a reply to his requests for a funding status report from the city's DHS Director.

▪ **Major Activities Planned for Next Reporting Period**

Contractor:

1. N/A

Subcontractors:

1. N/A

Project Management:

1. Contact the DHS Grant Staff at the Office of the Deputy Mayor for Public Safety and Justice to ask the current status of the funds and any projections for date of fund availability.

▪ **Project Schedule**

This will be a fixed price contract with a maximum nine (9) month schedule.

Start date was: __dd/mm/yyyy__.

The project is in its __nn__ day on the date of this report.

The project is/is not on schedule. If not, why not, how long.

▪ **Project Cost**

Total baseline budget

Revised budgets and justification/authorization for revisions

Budget Spreadsheet

▪ **Issues of Concern**

Open Issues of Concern

1. This project is starting within the fourth quarter of the fiscal year. This project might encounter difficulties in completing the procurement within the procurement and fiscal rules and policies of the District of Columbia.
2. The ITLO has not received written confirmation of DHS state funding support, or the appropriate budget codes allowing a formal submission to the Procurement Officer to be made.
3. The ITLO has not received a reply to his requests for a funding status report from the city's DHS Director.

Closed Issues of Concern

- **Related Projects**

1. SHIELD
2. DMV Driver Photographs
3. US District Court Participation